



**UNIDO**  
**Industrial Statistics Database**  
**at the 2-digit level of ISIC Code (Revision 3)**

**INDSTAT2 2020 ISIC Rev.3**

Data available online

# **User's Guide**

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Statistics Division  
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# INTRODUCTION

**INDSTAT2 2020 ISIC Rev.3** database contains data for the period from 1963 to 2018 for 174 countries. Data are arranged at the 2-digit level of the International Standard Industrial Classification of All Economic Activities (ISIC) Revision 3 pertaining to the manufacturing sector, which comprises 23 industries. The database combines historical time series data derived from INDSTAT3 ISIC Rev.2 with recent years' data, which include data reported in ISIC Revision 3 as well as those reported in ISIC Revision 4. It should be noted that the database coverage in terms of time period and data item differs from country to country.

**INDSTAT2 2020 ISIC Rev.3** is an online retrieval system. The system allows the user to select, retrieve and export data (and metadata) for further processing.

**INDSTAT2 2020 ISIC Rev.3** retrieval system's features include:

- User-friendly graphics interface
- Data selection by country, table (variable), year and ISIC code
- Data availability display
- Browsing of selected data
- Selection of a different layout for data presentation
- Graphical presentation of the selected data as line or bar chart, map or scatterplot
- Data export facilities to:
  - Excel spreadsheet (\*.xls)
  - Comma Separated Values files (\*.csv)
  - Statistical software packages such as R, SAS, SPSS and STATA

# DATA

## Data Description

### SOURCES OF INFORMATION

Except for the index numbers of industrial production, data presented were either collected by UNIDO from national sources, or compiled by the Organisation for Economic Co-operation and Development (OECD) and provided to UNIDO in order to achieve worldwide coverage.

### DATA COMPILATION

Historical data, up to early 1990s, were mostly converted from ISIC Rev.2 at 3-digit level. Please refer to the Crude ISIC Concordance Code List used to convert data from ISIC Rev. 2 to ISIC Rev.3 (Annex X).

For those countries reporting data that are based on or related to ISIC Rev.3: Data for the recent years were either aggregated from ISIC Rev.3 at 3- and 4-digit levels or received directly from their respective sources.

For those countries reporting data that are based on or related to ISIC Rev.4: Following the endorsement of ISIC Rev.4 by the United Nations Statistical Commission at its thirty-seventh session in 2006, majority of the countries have already made a switchover in their data compilation scheme from the national industrial classifications compatible with ISIC Rev.3 to those compatible with ISIC Rev.4. In order to have most recent time series coverage for these countries, data converted from ISIC Rev.4 at 2-digit level were also incorporated in **INDSTAT2 2020 ISIC Rev.3**. Please refer to the Crude ISIC Concordance Code List used to convert data from ISIC Rev.4 to ISIC Rev.3 (Annex VIII).

Users are advised to note that original data are supplemented with estimates generated by UNIDO. Such estimates include imputed data for missing values as well as the figures extrapolated for recent years. Users can obtain more detailed information on the imputation method from UNIDO Statistics (see Contact Point at UNIDO).

### UPDATING THE DATABASE

The database is updated annually and contains data for at least one additional year for most of the countries. Moreover, they may also include additional countries.

### METADATA (i)

In support of the statistical data, relevant meta-information, if reported by the country, is available to the user.

The metadata provide information concerning:

- the national data compilation scheme
- classification applied
- concept and definitions
- cell-level footnotes

## **INDEX NUMBERS OF INDUSTRIAL PRODUCTION (IIP)**

The index numbers of industrial production presented were either collected directly by UNIDO from national sources or derived from UNIDO estimates based on the quarterly IIP. In some cases IIP figures were obtained from official websites of NSOs.

The base year for comparison is 2015. However, if any country uses different base years, the national indices are converted to the comparison base year. For many countries, the IIP shown in **INDSTAT2 2020 ISIC Rev.3** for the years 2000 onwards were derived from the data reported by the NSOs in ISIC Revision 4. Conversion to ISIC Revision 3 was made to ensure comparability of indices in the time series.

The theoretical aim of the IIP is to reflect the volume movements of goods or services produced over time. Most of the national indices are calculated using the Laspeyres formula and a combination of volume extrapolation and deflation methods. These methods are described in the International Recommendations for the Index of Industrial Production 2010, United Nations.

## **Data Definition**

### **CONTENT AND COVERAGE**

The database contains annual time series data on the following items:

- Number of establishments
- Employment
- Wages and salaries
- Output
- Value added
- Gross fixed capital formation
- Number of female employees
- Index numbers of industrial production

These data pertain to the manufacturing industries classified at the 2-digit level of ISIC (Revision 3) and are presented by Country, Industry and Year. The data are originally stored in the prevailing national currency values at current prices. The system allows conversion of currency data from national currency into current US Dollars, using the average period exchange rates as given in the International Financial Statistics (International Monetary Fund publication) under series rf.

In the case of a country that changed or devaluated its national currency in the past, data relating to those years prior to devaluation or change have been converted from the former national currency using appropriate conversion rate.

The same applies to all member countries of the European Monetary Union (EMU) for which national data are expressed in Euros. Data relating to those years prior to entry into the EMU have been converted from the former national currency using the appropriate irrevocable conversion rate\*. The presentation facilitates comparisons within a country over time and ensures that the historical evolution (i.e. growth rates) is preserved.

\*source: European Commission's website

<[http://ec.europa.eu/economy\\_finance/euro/countries/index\\_en.htm#content](http://ec.europa.eu/economy_finance/euro/countries/index_en.htm#content)>

## Data Record

**TABLE CODES** are codes assigned to the eight selected data items (see Annex IV).

**COUNTRY CODES** pertain to UN country/area codes  
(see Annex I).

**YEAR** is the calendar year to which the value field refers  
(for exceptions see Country Metadata).

**ISIC CODES** are those of ISIC (Revision 3) at the 2-digit level  
(see Annex II).

**ISIC COMBINATION CODES** denote the combination of two or more ISICs  
(see Annex III).

### VALUE

- Tables 01, 04 and 31 are in numbers.
- Tables 05, 14, 20 and 21 are in national currency or current US Dollars (depending on users' choice).
- Table 51 is in index form (2015=100).

**TABLE DEFINITION CODES** refer to the statistical definition employed for the respective value (see Annex V).

**SOURCE CODES** describe the source of the data (see Annex VI).

**UNIT** shows the unit of value for each record (e.g. employment in numbers, wages and salaries in national currency or US Dollars), specifically:

# = number

N = value in current national currency

\$ = value in current US Dollars

I = index value

# OPERATING INSTRUCTIONS

## Main Window/Data Selection

To **access** the database, select: DATABASES/Access Databases/INDSTAT 2 2020, ISIC Revision 3.

When your application is launched you will see the Tabs: **Countries, Variables, Period** and **ISIC**. Each Tab opens two list boxes with **Available** and **Selected** items.

The screenshot displays the UNIDO Statistics Data Portal interface. At the top, the UNIDO logo and name are visible, along with the text "Welcome UNIDO" and "UNIDO STATISTICS DATA PORTAL". A navigation bar contains links for HOME, DATABASES, PRODUCTS, RESOURCES, COVID-19, SDG9, CIP, HELP, and LOGIN/REGISTER. Below the navigation bar, the selected database is identified as "INDSTAT 2 2020, ISIC Revision 3".

The main content area is titled "CHANGE SELECTION" and features four tabs: "Countries", "Variables", "Period", and "ISIC". The "Period" tab is currently active. Below the tabs, there is a prompt: "Please, select at least one year:" followed by "Select all" and "Unselect all" buttons.

The interface is divided into two main sections: "Available:" and "Selected:". Each section contains a search box and a list of years. In the "Available:" list, the years 2012, 2011, 2010, 2009, 2008, 2007, 2006, and 2005 are listed. In the "Selected:" list, the years 2018, 2017, 2016, 2015, 2014, and 2013 are listed. Between the two lists are four directional buttons: a right arrow, a left arrow, a right arrow with a plus sign, and a left arrow with a plus sign.

At the bottom of the "CHANGE SELECTION" panel, there are "View Data" and "Save Query" buttons. Below this panel, there are three additional buttons: "Change Layout", "Show Graph", and "Download data".

## Selecting Data

Use the mouse cursor to select the desired items from each list box. The users have the options:

- to select **all data items** by clicking the button **Select all**: all **Countries, Variables, Period** and **ISIC** will be selected.

Please, select at least one country:

- to select **data items individually**:

To select all items in a **Available** list box, click the right double-arrow. All items will then appear in the respective **Selected** list box.

To select items individually, hold the CTRL key, click each required item and then click the right single-arrow. Each selected item will be added to the respective **Selected** list box.

To select a sequence of items, click the first required item, then hold the SHIFT key and click the last required item and then click the right single-arrow. All selected items will appear in the respective **Selected** list box.

- to select pre-defined country/area groups by clicking **Country group lists**:

In addition to the list of individual country, Country group lists used in UNIDO's annual publication International Yearbook of Industrial Statistics (Appendix I) are also made available to users. By selecting Country group lists, users can make use of predefined:


- Country/area groupings by: geographical region, stage of development or income and,
- Common Country Groups.

Selected Database: INDSTAT 2 2020, ISIC Revision 3:

Countries  Country group lists



## Browse Data

After the selection is completed, the selected data can be browsed by clicking the **View Data** button .

Selected Database: INDSTAT 2 2020, ISIC Revision 3:

**CHANGE SELECTION**

Change Layout Show Graph Download data

Austria i Establishments  Units  Thousands  Millions  Billions

Click on [i](#) to view additional information.

	1981 i	1982 i	1983 i	1984 i	1985 i	1986 i	1987 i
15 Food and beverages	987	989	1049	1088	1150	1118	1110
16 Tobacco products	14	15	15	15	15	15	15
17 Textiles	583	566	543	530	532	507	484
18 Wearing apparel, fur	702 (18A i)	683 (18A i)	653 (18A i)	613 (18A i)	622 (18A i)	595 (18A i)	583 (18A i)
19 Leather, leather products and footwear	... (18A i)	... (18A i)	... (18A i)	... (18A i)	... (18A i)	... (18A i)	... (18A i)
20 Wood products (excl. furniture)	223	214	2325	2248	2219	2177	2122
21 Paper and paper products	181	175	162	158	154	158	164
22 Printing and publishing	314	299	311	296	304	321	319
23 Coke,refined petroleum products,nuclear fuel	31	33	38	38	38	38	52
24 Chemicals and chemical products	407	403	415	427	422	428	428
25 Rubber and plastics products	309	309	294	278	290	291	300
26 Non-metallic mineral products	618	593	585	558	564	557	548
27 Basic metals	174	169	171	168	171	163	163
28 Fabricated metal products	917	935	902	865	875	850	854
29 Machinery and equipment n.e.c.	695 (29C i)	687 (29C i)	706 (29C i)	713 (29C i)	731 (29C i)	739 (29C i)	748 (29C i)
30 Office, accounting and computing machinery	... (29C i)	... (29C i)	... (29C i)	... (29C i)	... (29C i)	... (29C i)	... (29C i)

### SHOW VALUES IN:

Data are by default displayed in units, except Output which is displayed in Millions. For viewing data in other orders of magnitude, choose from the following options: Units, Thousands, Millions, Billions

### ISIC COMBINATION

A text in the brackets to the right of a value denotes an ISIC combination.

### SELECTION OF VARIABLE

Toggling between drop down list of the variables can be made by clicking appropriate data item at the top of the display.

## Layout View

Data display can be adjusted to users' needs by rearranging the data items sequence using the button **Change Layout**. The data are four dimensional (i.e. Country, Table, ISIC and Year) and in the standard layout the grid view shows the ISIC codes in the rows and the years in the columns. The country and the table are selected in the list boxes above. If, for example, user wants to present all selected countries in the columns and all selected years in the rows (ISIC and Table are selected in the list boxes above), he/she should choose a layout as shown in the screen shot below.

The screenshot shows a software interface for data selection and layout. At the top, there is a blue header bar with the text "CHANGE SELECTION". Below this, there are three buttons: "Change Layout", "Show Graph", and "Download data". A dropdown menu shows "15 Food and beverages" and a text box contains "Establishments". Below this, there is a link "Click on i to view additional information." and a table with the following data:

	Afghanistan	Albania i	Algeria i	Angola i
2018	...	...	...	...
2017	...	3492 (15A i)	...	...
2016	...	3832 (15A i)	...	...
2015	...	3204 (15A i)	6257	207
2014	...	2616	7002	251
2013	189	3271	6704	...
2012	192	2936	6489	193

Overlaid on the right side of the table is a "Change Layout" dialog box. It contains a list with four items: "ISIC", "Variable", "Country", and "Period". The "Country" item is currently selected and highlighted. To the left of the list are four arrow buttons: up, down, left, and right. At the bottom of the dialog are three buttons: "Save", "Cancel", and "Reset to Default".

## Browse Metadata

In support of the statistical data, relevant meta-information is available to the user.

This metadata can be browsed by clicking **(i)** placed near the respective **data items**:

### 1. Country

In this window all the existing metadata associated with the given **country** are displayed, i.e., Data Supplier, Source, Deviation from ISIC, Reference Period, Scope, Adjusted for non-response, Provisional Data and Related National Publications.

### 2. Variable (e.g. Output)

In this window metadata are associated with the given **table**. Deviations from the United Nations Standard Concepts and Definitions for General Industrial Statistics are indicated here. For detailed information, please see Annex VII.

### 3. YEAR (e. g. 2015)

In this window:

- country or table specific metadata mentioned above are shown for each **year** separately, in cases where metadata change over time.
- information about statistical definition is stored. (e.g. Output at factor values).

### 4. VALUE

In this window metadata associated with the individual **ISIC** category are indicated.

Selected Database: INDSTAT 2 2020, ISIC Revision 3:

**CHANGE SELECTION**

Change Layout Show Graph Download data

1 Canada → i

2 Wages and salaries → i

Units  Thousands  Millions  Billions

National Currency  USD

Click on **i** to view additional information. Amounts are in current national currency (Dollars)

	2013 <b>i</b>	2014 <b>i</b>	2015 <b>i</b>
15 Food and beverages	10646979000	10918412000	11515908000 (15A <b>i</b> )
16 Tobacco products	190892000	208504000	... (15A <b>i</b> )
17 Textiles	705117000	737115000	736872000
18 Wearing apparel, fur	605344000	648906000	626502000
19 Leather, leather products and footwear	101826413 <b>i</b>	146399000	160218000
20 Wood products (excl. furniture)	4176150000	4406329000	4671347000
21 Paper and paper products	3235468000	3640846000	3459083000
22 Printing and publishing	2523214000	2509674000	2520830000
23 Coke, refined petroleum products, nuclear fuel	1150462000	1251665000	1238325000
24 Chemicals and chemical products	5082606000	5419501000	5742903000
25 Rubber and plastics products	4519917000	4824399000	5059390000
26 Non-metallic mineral products	2568376000	2635730000	2830425000
27 Basic metals	4359022000	4308931000	4212088000
28 Fabricated metal products	8766555000	9099659000	9254732000
29 Machinery and equipment n.e.c.	11054093000 (29P <b>i</b> )	11521869000 (29P <b>i</b> )	11786083000 (29P <b>i</b> )
30 Office, accounting and computing machinery	... (29P <b>i</b> )	... (29P <b>i</b> )	... (29P <b>i</b> )

3 → 2013 **i**

4 → 101826413 **i**

4 → 11054093000 (29P **i**)

## Availability Display

To display availability of data, select: **DATABASES/Availability/INDSTAT 2**. A table listing all those countries, variables and years for which data are made available to the user, is displayed.

Country	Establishments	Output	Value added	Gross fixed capital formation	Female employees	Index numbers of industrial production
Afghanistan	1981 / 2013					
Albania	1993 / 2017					
Algeria	1984 / 2015					
Angola	1992 / 2015					
Argentina	1985 / 2017					
Armenia	1986 / 2017					
Aruba	1993 / 1999					
Australia	1981 / 2017					
Austria	1981 / 2018					
Azerbaijan	1990 / 2017					
Bahamas	1981 / 2015					
Bahrain	1992 / 2013					
Bangladesh	1981 / 2012					
Barbados	1981 / 1995					
Belarus	2005 / 2017					
Belgium	1981 / 2018					
Belize	1989 / 1992					
Benin						
Bermuda	1999 / 2017					
Bolivia (Plurinational State of)	1981 / 2012					
Bosnia and Herzegovina	1990 / 2017					
Botswana	1981 / 2017					
Brazil	1984 / 2017					

## Show Graph

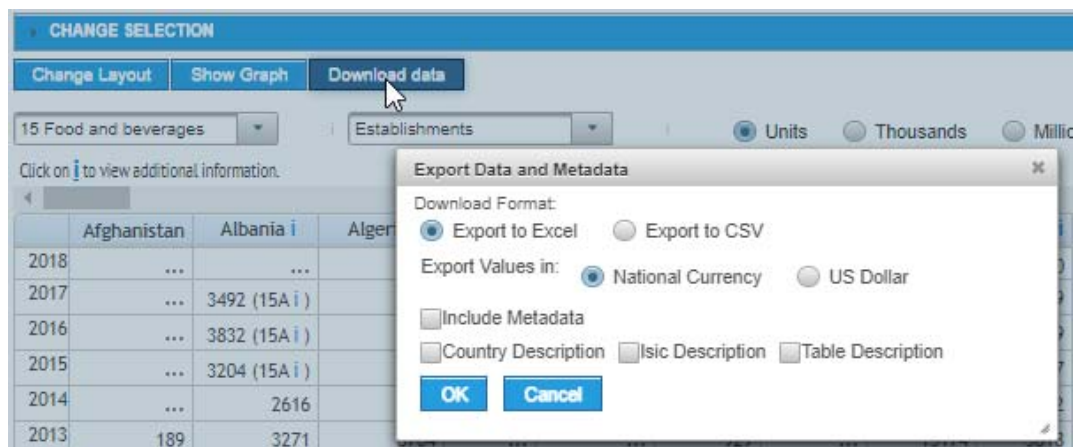
Graphical presentation of the data is also made available to the users. By clicking

Show Graph

Data can be displayed in different graphical format: Line Chart, Map, Bar Chart or Scatter Plot.



## Download data to Excel format



Select **Export to Excel**, then select National Currency or US Dollar (and/or other options such as Include Metadata, Country Description, etc.). Then press the **OK** button to execute Export.

The exported file consists of the Data worksheet and the Metadata worksheet (optional).

In case the data to be exported are within the capacity limit supported by Excel, an additional **Layout** worksheet is also generated in the exported file. The column **IsicCombination** lists both the ISIC and any other ISIC combination(s) occurring in the reference period; similarly, the column **TableDefinitionCode** displays all the table codes used in the reference period. However, information on Source Code is not shown in this worksheet.

### The Data worksheet structure is as follows:

- Table Code
- Table Description (optional)
- Country Code
- Country Description (optional)
- Year
- ISIC Code
- ISIC Description (optional)
- ISIC Combination (if applicable otherwise ISIC)
- Value
- Table Definition Code
- Table Description (optional)
- Source Code
- Unit Indicator

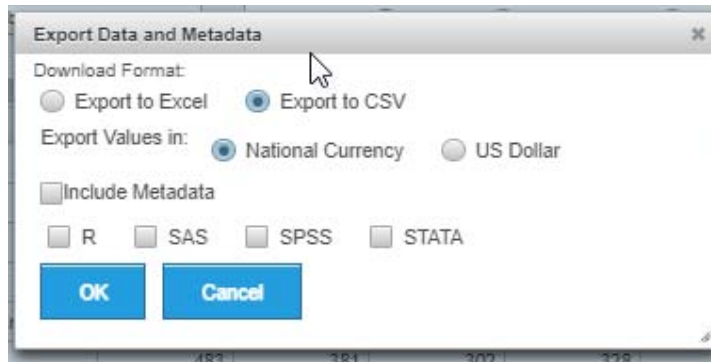
**The Metadata worksheet structure is as follows:**

Country Code  
Country Description (optional)  
Table Code  
Table Description (optional)  
Year  
ISIC Code  
ISIC Description (optional)  
Note Class  
Note

**The Layout worksheet structure is as follows:**

Country Code  
Country Description (optional)  
Table Code  
Table Description (optional)  
ISIC Code  
ISIC Description (optional)  
ISIC Combination (if applicable otherwise ISIC)  
Table Definition Code  
Year1 Value  
Year2 Value  
Year3 Value

## Download data to CSV (Comma Separated Values) format



Click **Export to CSV**, select National Currency or US Dollar (and/or other options such as Include Metadata, Country Description, etc.). Then press the **OK** button to execute Export.

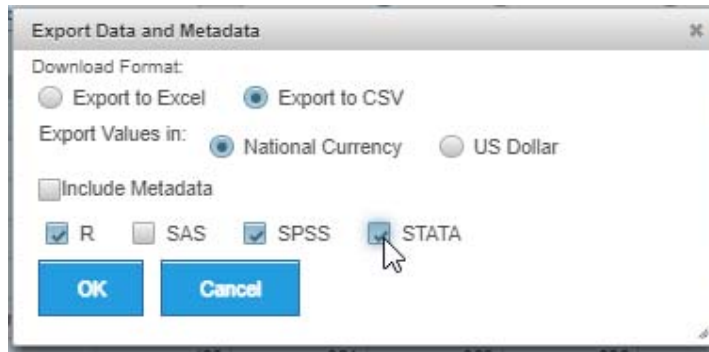
### The output structure in CSV (Comma Separated Values) format is as follows:

Table Code  
Country Code  
Year  
ISIC  
ISIC Combination (if applicable otherwise ISIC)  
Value  
Table Definition Code  
Source Code  
Unit Indicator

### Export METADATA

By clicking the **Include Metadata** button, meta-information will be written into a CSV file (filename metadata.csv).

## Export to statistical software packages (R, SAS, SPSS, STATA)



In order to export the selected data to statistical software packages like **R**, **SAS**, **SPSS** and/or **STATA**, in addition to export to CSV file format, select the corresponding checkbox for statistical software packages. Besides the data which will be written to a CSV file, the scripts for the selected software packages will also be generated in the same destination directory. The scripts for the various software packages are:

Software package	Script generated
<b>R</b>	import.R
<b>SAS</b>	import.sas
<b>SPSS</b>	import.spss
<b>STATA</b>	import.do

The data written to a CSV file can then be imported into the preferred statistical software package by executing the generated script. This script will read the CSV file and will create a data set for further analysis with the selected software. Details pertaining to the different statistical software packages are given below:



## R

**R** script **import.R** will be generated, which when executed in the **R** environment, will read the exported CSV data file and will create a data set **inst** with the following variables:

<b>Variable</b>	<b>Representing</b>
<i>ctable</i> (factor)	Table Code
<i>country</i> (factor)	Country Code
<i>year</i> (integer)	Year
<i>isic</i> (factor)	ISIC Code
<i>isiccomb</i> (factor)	ISIC Combination Code
<i>value</i> (numeric)	Value
<i>utable</i> (factor)	Table Definition Code
<i>source</i> (factor)	Source Code
<i>unit</i> (factor)	Unit Indicator

## SAS

**SAS** script **import.sas** will be generated, which when executed in the **SAS** environment, will read the exported CSV data file and will create a data set **inst** with the following variables:

<b>Variable</b>	<b>Representing</b>
<i>ctable</i> (character)	Table Code
<i>country</i> (character)	Country Code
<i>year</i> (numeric)	Year
<i>isic</i> (character)	ISIC Code
<i>isiccomb</i> (character)	ISIC Combination Code
<i>value</i> (numeric)	Value
<i>utable</i> (character)	Table Definition Code
<i>source</i> (character)	Source Code
<i>unit</i> (character)	Unit Indicator

## SPSS

SPSS script **import.spss** will be generated, which when executed in the **SPSS** environment, will read the exported CSV data file and will create a data set with the following variables:

<b>Variable</b>	<b>Representing</b>
<i>Ctable</i>	Table Code
<i>Country</i>	Country Code
<i>Year</i>	Year
<i>Isic</i>	ISIC Code
<i>IsicComb</i>	ISIC Combination Code
<i>Value</i>	Value
<i>Utable</i>	Table Definition Code
<i>Source</i>	Source Code
<i>Unit</i>	Unit Indicator

## STATA

STATA script **import.do** will be generated, which when executed in the **STATA** environment, will read the exported CSV data file and will create a data set with the following variables:

<b>Variable</b>	<b>Representing</b>
<i>ctable</i>	Table Code
<i>country</i>	Country Code
<i>year</i>	Year
<i>isic</i>	ISIC Code
<i>isiccomb</i>	ISIC Combination Code
<i>value</i>	Value
<i>utable</i>	Table Definition Code
<i>source</i>	Source Code
<i>unit</i>	Unit Indicator

## CONTACT POINT AT UNIDO

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<http://www.unido.org/statistics>

### **Data users' feedback**

We are striving to improve our products and to serve the needs of our data users better.

We ask our data users:

- Are you satisfied with our services?
- Do you have any suggestions for improving our products?

Please send your feedback, if any, to: [stat@unido.org](mailto:stat@unido.org)

# ANNEXES

## Annex I - Country Code List

**INDSTAT2 2020 ISIC Rev.3** employs the Standard Country/Area Codes, as recommended by the United Nations Statistics Division. National currencies are indicated in parentheses.

Code	Country
004	Afghanistan (Afghani)
008	Albania (Leks)
012	Algeria (Dinars)
024	Angola (Kwanzas)
032	Argentina (Pesos)
051	Armenia (Drams)
533	Aruba (Florins)
036	Australia (Dollars)
040	Austria (Euros)
031	Azerbaijan (Manat)
044	Bahamas (Dollars)
048	Bahrain (Dinars)
050	Bangladesh (Taka)
052	Barbados (Dollars)
112	Belarus (Roubles)
056	Belgium (Euros)
084	Belize (Dollars)
204	Benin (CFA Francs)
060	Bermuda (Dollars)
068	Bolivia (Plurinational State of) (Bolivianos)
070	Bosnia and Herzegovina (Marka)
072	Botswana (Pula)
076	Brazil (Reais)
096	Brunei Darussalam (Dollars)
100	Bulgaria (Leva)
854	Burkina Faso (CFA Francs)
108	Burundi (Francs)
132	Cabo Verde (Escudos)
116	Cambodia (Riels)
120	Cameroon (CFA Francs)
124	Canada (Dollars)
140	Central African Republic (CFA Francs)

<b>Code</b>	<b>Country</b>
152	Chile (Pesos)
156	China (Yuan)
344	China, Hong Kong SAR (Dollars)
446	China, Macao SAR (Patacas)
158	China, Taiwan Province (Dollars)
170	Colombia (Pesos)
178	Congo (CFA Francs)
184	Cook Islands (Dollars)
188	Costa Rica (Colones)
384	Côte d'Ivoire (CFA Francs)
191	Croatia (Kunas)
192	Cuba (Pesos)
531	Curaçao (Guilders)
196	Cyprus (Euros)
203	Czechia (Korunas)
200	Czechoslovakia (Korunas)
208	Denmark (Kroner)
214	Dominican Republic (Pesos)
218	Ecuador (US Dollars)
818	Egypt (Pounds)
222	El Salvador (Colones)
232	Eritrea (Nakfa)
233	Estonia (Euros)
748	Eswatini (Emalangi)
231	Ethiopia (Birr)
230	Ethiopia and Eritrea (Birr)
242	Fiji (Dollars)
246	Finland (Euros)
250	France (Euros)
266	Gabon (CFA Francs)
270	Gambia (Dalasis)
268	Georgia (Lari)
276	Germany (Euros)
278	Germany, Dem Rep (Euros)
280	Germany, Fed Rep (Euros)
288	Ghana (Cedis)

<b>Code</b>	<b>Country</b>
300	Greece (Euros)
320	Guatemala (Quetzales)
332	Haiti (Gourdes)
340	Honduras (Lempiras)
348	Hungary (Forints)
352	Iceland (Kronur)
356	India (Rupees)
360	Indonesia (Rupiahs)
364	Iran (Islamic Republic of) (Rials)
368	Iraq (Dinars)
372	Ireland (Euros)
376	Israel (New Sheqalim)
380	Italy (Euros)
388	Jamaica (Dollars)
392	Japan (Yen)
400	Jordan (Dinars)
398	Kazakhstan (Tenge)
404	Kenya (Shillings)
414	Kuwait (Dinars)
417	Kyrgyzstan (Soms)
418	Lao People's Dem Rep (Kips)
428	Latvia (Euros)
422	Lebanon (US Dollars)
426	Lesotho (Maloti)
430	Liberia (Dollars)
434	Libya (Dinars)
438	Liechtenstein (Francs)
440	Lithuania (Euros)
442	Luxembourg (Euros)
450	Madagascar (Ariary)
454	Malawi (Kwacha)
458	Malaysia (Ringgits)
462	Maldives (Rufiyaa)
470	Malta (Euros)
480	Mauritius (Rupees)
484	Mexico (Pesos)

<b>Code</b>	<b>Country</b>
496	Mongolia (Togrog)
499	Montenegro (Euros)
504	Morocco (Dirhams)
508	Mozambique (Meticais)
104	Myanmar (Kyats)
516	Namibia (Dollars)
524	Nepal (Rupees)
528	Netherlands (Euros)
530	Netherlands Antilles (Guilders)
554	New Zealand (Dollars)
558	Nicaragua (Cordobas)
562	Niger (CFA Francs)
566	Nigeria (Nairas)
807	North Macedonia (Denars)
578	Norway (Kroner)
512	Oman (Rials)
586	Pakistan (Rupees)
590	Panama (Balboas)
598	Papua New Guinea (Kinas)
600	Paraguay (Guaranies)
604	Peru (New Soles)
608	Philippines (Pesos)
616	Poland (Zlotys)
620	Portugal (Euros)
630	Puerto Rico (US Dollars)
634	Qatar (Riyals)
410	Republic of Korea (Won)
498	Republic of Moldova (Lei)
642	Romania (Lei)
643	Russian Federation (Roubles)
646	Rwanda (Francs)
662	Saint Lucia (Dollars)
682	Saudi Arabia (Riyals)
686	Senegal (CFA Francs)
688	Serbia (Dinars)
891	Serbia and Montenegro (Dinars)

<b>Code</b>	<b>Country</b>
702	Singapore (Dollars)
703	Slovakia (Euros)
705	Slovenia (Euros)
706	Somalia (Shillings)
710	South Africa (Rand)
724	Spain (Euros)
144	Sri Lanka (Rupees)
275	State of Palestine (US Dollars)
736	Sudan (including South Sudan) (Pounds)
740	Suriname (Dollars)
752	Sweden (Kronor)
756	Switzerland (Francs)
760	Syrian Arab Republic (Pounds)
762	Tajikistan (Somoni)
764	Thailand (Baht)
776	Tonga (Pa'angas)
780	Trinidad and Tobago (Dollars)
788	Tunisia (Dinars)
792	Turkey (Liras)
800	Uganda (Shillings)
804	Ukraine (Hryvnias)
784	United Arab Emirates (Dirhams)
826	United Kingdom (Pounds)
834	United Republic of Tanzania (Shillings)
840	United States of America (US Dollars)
858	Uruguay (Pesos)
810	USSR (Roubles)
860	Uzbekistan (Sums)
862	Venezuela (Bolivarian Republic of) (Bolivares F.)
704	Viet Nam (Dongs)
887	Yemen (Rials)
890	Yugoslavia (Dinars)
894	Zambia (Kwacha)
716	Zimbabwe (US Dollars)

\*Peru: Value data in US Dollars are not available for the years 1974-1981.



## Annex II - ISIC Rev.3 2-digit Code List

**INDSTAT2 2020 ISIC Rev.3** employs Revision 3 of the International Standard Industrial Classification of All Economic Activities (ISIC) at the 2-digit level, pertaining to the manufacturing sector. Classification of data according to ISIC ensures international comparability of national data.

<b>Rev. 3 Code</b>	<b>Definition</b>
15	Food and beverages
16	Tobacco products
17	Textiles
18	Wearing apparel, fur
19	Leather, leather products and footwear
20	Wood products (excluding furniture)
21	Paper and paper products
22	Printing and publishing
23	Coke, refined petroleum products, nuclear fuel
24	Chemicals and chemical products
25	Rubber and plastics products
26	Non-metallic mineral products
27	Basic metals
28	Fabricated metal products
29	Machinery and equipment n.e.c.
30	Office, accounting and computing machinery
31	Electrical machinery and apparatus
32	Radio, television and communication equipment
33	Medical, precision and optical instruments
34	Motor vehicles, trailers, semi-trailers
35	Other transport equipment
36	Furniture; manufacturing n.e.c.
37	Recycling
<b>D</b>	<b>Total manufacturing</b>

### Annex III - ISIC Combination Code List

Many countries report data as a combination of two or more 2-digit ISIC categories. The codes used to identify such ISIC combinations are listed below:

Rev.3 Code	ISIC Components
15A	15 16
15B	15 16 17
16A	16 23
16B	16 15
17A	17 19 37
17B	17 18
17C	17 18 19
17D	17 19
18A	18 19
18B	18 17
19A	19 20 36
19B	19 20
20A	20 21
20B	20 21 22
20C	20 36
20D	20 33 36
20E	20 24 25 36
20F	20 18 19 25 36
20G	20 28 29 30 31 32 33 34 35 36
20H	20 21 22 36
20J	20 22
21A	21 22
22A	22 23
22B	22 21
23A	23 24
23B	23 24 25
23C	23 25
23D	23 25 26
23E	23 26
24A	24 25
24B	24 23 25
24C	24 23
25A	25 26

<b>Rev.3 Code</b>	<b>ISIC Components</b>
26A	26 27 28 29 30 31 32 34 35
26B	26 25
26C	26 23 25
26D	26 27 28
27A	27 28
27B	27 36
27C	27 28 29
27D	27 28 29 30
27E	27 28 29 30 31 32 33
27F	27 28 29 30 31 32 33 34 35
27G	27 28 29 30 31 32 34 35
27H	27 33 36
27I	27 28 29 30 31 32
27J	27 28 29 30 31 32 33 34 35 36
28A	28 29 30 31
28B	28 29 30
28C	28 29 30 31 32 34 35
28D	28 29 30 31 32 33 34 35 36
28E	28 29
28F	28 29 30 31 32 33 34 35
28G	28 33
28H	28 29 30 31 32 33
28I	28 29 30 31 32
28J	28 29 30 33 34 35
28K	28 30 32 33
28L	28 27
28M	28 29 30 32 33 34
29A	29 35
29B	29 31 34
29C	29 30
29D	29 30 33
29E	29 30 34 35
29F	29 30 31 32
29G	29 30 31 32 34 35
29H	29 30 33 34 35
29J	29 34 35

<b>Rev.3 Code</b>	<b>ISIC Components</b>
29K	29 31
29M	29 34
29N	29 30 31 32 33
29P	29 30 32 33
30A	30 31 32
30B	30 31 32 33
30C	30 31
30D	30 31 32 33 34 35
30E	30 33
30F	30 32 33
30G	30 32
30H	30 29 31 32 33
31A	31 32
31B	31 32 33
31C	31 33 34
31D	31 32 33 34 35
31E	31 30
31F	31 29
31G	31 29 35
32A	32 33
33A	33 35
33B	33 36
33C	33 23 36
33D	33 25 36
33E	33 23 25 36
33F	33 18 19 36
33G	33 18 19 23 24 36
33H	33 18 19 23 24 25 36
34A	34 35
34B	34 35 37
34C	34 35 36
34D	34 33 35
34E	34 29 30 35
35A	35 36
36A	36 37
36B	36 16 20 21 24 25 28 29 33 35

<b>Rev.3 Code</b>	<b>ISIC Components</b>
36C	36 27
36D	36 16
36E	36 16 37
36F	36 23 37
36G	36 25
36H	36 18 19 25
36I	36 18 19 21 25 27
36J	36 18 19 21 25 26 27 29 30
36K	36 21 22
36L	36 23
36M	36 22
36N	36 19 20

## Annex IV - Table Code List

<b>Code</b>	<b>Definition</b>
01	Number of establishments
04	Employment
05	Wages and salaries (at current prices)
14	Output (at current prices)
20	Value added (at current prices)
21	Gross fixed capital formation (at current prices)
31	Number of female employees
51	Index numbers of industrial production

## Annex V - Table Definition Code List

<b>Code</b>	<b>Definition</b>
01	Number of establishments
02	Number of enterprises
03	Number of persons engaged
04	Number of employees
05	Wages and salaries paid to employees
11	Output at basic prices
12	Output at factor values
13	Output at producers' prices
14	Output (valuation not defined)
17	Value added at basic prices
18	Value added at factor values
19	Value added at producers' prices
20	Value added (valuation not defined)
21	Gross fixed capital formation
31	Number of female employees
51	Index numbers of industrial production

## Annex VI - Source Code List

<b>Code</b>	<b>Definition</b>
1	Data: (a) collected by UNIDO from national sources; (b) compiled by OECD and provided to UNIDO; (c) derived from UNSD with respect to index numbers of industrial production.
2	Data: (a) generated/adjusted by UNIDO based on national sources, regional publications including official websites; and, (b) aggregated from complete set of available 3-/4-digit sub-sectors.
3	Data generated/adjusted by UNIDO based on: (a) converted data from ISIC Rev.2; (b) aggregated data from incomplete set of ISIC Rev.3 3-and 4-digit sub-sectors; (c) converted data from ISIC Rev.4; and, (d) UNIDO estimates.
4 & 5	UNIDO estimates.



## **Annex VII - United Nations Standard Concepts and Definitions for General Industrial Statistics**

### ***(1) Number of establishments and number of enterprises:***

An “establishment” is ideally a production unit that engages, under a single ownership or control, in one, or predominantly one, kind of activity at a single location; for example, workshop or factory. A “kind-of-activity unit” differs from the establishment in that there is no restriction with respect to the geographical area in which a given kind of activity is carried out by a single legal entity. A “local unit”, on the other hand, comprises all activities carried out under a single ownership or control at a single location and differs from the establishment-type of unit in that there is no restriction on the range of these activities. An “enterprise” is a legal entity possessing the right to conduct business in its own name; for example, to enter into contracts, own property, incur liability for debts, and establish bank accounts.

### ***(2) Number of persons engaged and number of employees:***

The number of persons engaged is defined as the total number of persons who worked in or for the establishment during the reference year. However, home workers are excluded. The concept covers working proprietors, active business partners and unpaid family workers as well as employees. The figures reported refer normally to the average number of persons engaged during the reference year, obtained as the sum of the "average number of employees" during the year and the total number of other persons engaged measured for a single period of the year. The number of employees is intended to include all persons engaged other than working proprietors, active business partners and unpaid family workers.

### ***(3) Wages and salaries:***

Wages and salaries include all payments in cash or in kind paid to "employees" during the reference year in relation to work done for the establishment. Payments include: (a) direct wages and salaries; (b) remuneration for time not worked; (c) bonuses and gratuities; (d) housing allowances and family allowances paid directly by the employer; and (e) payments in kind. Compensation of employees is equivalent to wages and salaries plus employers' contributions on behalf of their employees paid to social security, pension and insurance schemes, as well as the benefits received by employees under these schemes and severance and termination pay.

### ***(4) Output:***

The measure of output normally reported is based on census concept, which covers only activities of an industrial nature. The value of output in the case of estimates compiled on a production basis comprises: (a) the value of sale of all products of the establishment; (b) the net change between the beginning and the end of the reference period in the value of work in progress and stocks of goods to be shipped in the same condition as received; (c) the value of industrial work done or industrial services rendered to others; (d) the value of goods shipped in the same condition as received less the amount paid for these goods; and (e) the value of fixed assets produced during the period by the unit for its own use. In the case of estimates compiled on a shipment

basis, the net change in the value of stocks of finished goods between the beginning and the end of the reference period is also included.

Gross output is equivalent to census output plus the revenue from activities of a non-industrial nature. Valuation methods differ from country to country. An increasing number of countries are reporting at basic prices, which exclude taxes on commodity and include commodity related subsidies. Other methods of reporting valuation are: (a) at factor costs, which exclude all indirect taxes falling on production and include all current subsidies received in support of production activities; and (b) at producers' prices, which include all indirect taxes except VAT, or any other deductible taxes and exclude all subsidies.

***(5) Value added:***

Value added is defined as the value of output less the value of input. Items covered in the latter include: (a) value of materials and supplies for production (including cost of all fuels and electricity purchased); and (b) cost of services received (mainly payments for contract and commission work and repair and maintenance work). If input estimates are compiled on a "received" rather than on a "consumed" basis, the result is adjusted for the net change between the beginning and the end of the period in the value of stocks of materials, fuel and other supplies.

Total value added is the national accounting concept. It is ideally represented by the contribution of the establishments in each branch of activity to the gross domestic product. Whenever census concept is applied, for the measure of total value added, the cost of non-industrial services is deducted and the receipts for non-industrial services are added to census value added.

The estimates, whether in terms of census value added or total value added, are gross of depreciation and other provisions for capital consumption, unless otherwise stated. The valuation may be at factor costs, at basic prices or at producers' prices, depending on the treatment of indirect taxes and subsidies as described above.

***(6) Gross fixed capital formation:***

Gross fixed capital formation refers to the value of acquisition of fixed assets including the work done on own-account during the reference year, less the value of corresponding disposals. The fixed assets covered are those (whether new or used) with a productive life of one year or more. Major additions, alterations and improvements to existing assets, which extend their normal economic life or raise their productivity, are also included.

New fixed assets include all those that have not been previously used in the country. Thus, newly imported fixed assets are considered new whether or not used before they were imported. Used fixed assets include all those that have been previously used within the country. Transactions in fixed assets include: (a) cost of land purchase and land improvement; (b) dwellings, other buildings and structures; (c) machinery and equipment including transport and ICT equipment; and (d) intellectual property products, such as products of research and development, computer software, databases, etc.

Assets acquired from others are valued at purchasers' prices, which cover all costs directly connected with the acquisition and installation of the items for use. Imported

assets are included only after it is acquired by the establishment which intends to use it. In principle, assets produced on own account are also valued in this manner. However, it may frequently be necessary to value such own-account production at explicit cost, including any imputations that may be required in respect of the employed own-account labour.

Assets produced by one establishment of a multi-establishment enterprise, for the use of another establishment of the same enterprise, should be valued by the receiving establishment as though purchased from outside the enterprise. Sales of assets should be valued at the actual amounts realized rather than at book values.

## Annex VIII - Crude ISIC Concordance Code List (conversion from ISIC Rev.4 to ISIC Rev.3)

The crude ISIC concordance code list used to convert data from ISIC Rev.4 (2-digit) to ISIC Rev.3 (2-digit) is given below:

Rev. 3 code	Rev. 4 code
15	10 + 11
16	12
17	13
18	14
19	15
20	16
21	17
22	18
23	19
24	20 + 21
25	22
26	23
27	24
28	25
30F (30+32+33)	26
31	27
29	28 + 33
34	29
35	30
36	31 + 32
<b>D</b>	<b>C</b>

## Annex IX - ISIC Rev.4 2-digit Code List

Description of the International Standard Industrial Classification of All Economic Activities (ISIC) Rev. 4 (2-digit) pertaining to the manufacturing sector is given below:

<b>Rev. 4 Code</b>	<b>Definition</b>
10	Food products
11	Beverages
12	Tobacco products
13	Textiles
14	Wearing apparel
15	Leather and related products
16	Wood/wood products/cork, excluding furniture
17	Paper and paper products
18	Printing and reproduction of recorded media
19	Coke and refined petroleum products
20	Chemicals and chemical products
21	Pharmaceuticals, medicinal chemicals, etc.
22	Rubber and plastics products
23	Other non-metallic mineral products
24	Basic metals
25	Fabricated metal products, except machinery
26	Computer, electronic and optical products
27	Electrical equipment
28	Machinery and equipment n.e.c.
29	Motor vehicles, trailers and semi-trailers
30	Other transport equipment
31	Furniture
32	Other manufacturing
33	Repair and installation of machinery/equipment
<b>C</b>	<b>Total manufacturing</b>

**Annex X - Crude ISIC Concordance Code List (conversion from ISIC Rev.2 to ISIC Rev.3)**

The crude ISIC concordance code list used to convert data from ISIC Rev.2 (3-digit) to ISIC Rev.3 (2-digit) is given below:

<b>Rev. 3 code</b>	<b>Rev. 2 code</b>
15	311+312+313
16	314
17	321
18A (18+19)	322+323+324
20	331
21	341
22	342
23A (23+24)	351+352+353+354
25	355+356
26	361+362+369
27	371+372
28	381
29C (29+30)	382
31A (31+32)	383
33	385
34A (34+35)	384
36	332+390
<b>D</b>	<b>3</b>

## Annex XI - ISIC Rev.2 3-digit Code List

Description of the International Standard Industrial Classification of All Economic Activities (ISIC) Rev.2 (3-digit) pertaining to the manufacturing sector is given below:

Rev. 2 Code	Definition
311/2	Food products
313	Beverages
314	Tobacco
321	Textiles
322	Wearing apparel, except footwear
323	Leather and fur products
324	Footwear, except rubber or plastic
331	Wood products, except furniture
332	Furniture and fixtures, excluding metal
341	Paper and products
342	Printing and publishing
351	Industrial chemicals
352	Other chemicals
353	Petroleum refineries
354	Miscellaneous petroleum and coal products
355	Rubber products
356	Plastic products
361	Pottery, china and earthenware
362	Glass and products
369	Other non-metallic mineral products
371	Iron and steel
372	Non-ferrous metals
381	Fabricated metal products
382	Non-electrical machinery
383	Electrical machinery
384	Transport equipment
385	Professional and scientific equipment
390	Other manufacturing industries
<b>3</b>	<b>Total manufacturing</b>